

What is claimed as new and desired to be protected by Letters Patent of the United States is:

1. A method for management of chemical materials comprising the steps of:

5 providing a first data set containing which substances comprise said materials;

providing a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

10 providing a third data set containing a ratio of discharge of said controlled substances in a process;

analyzing a preset amount of said materials in said process and determining a quantity of said controlled substances utilizing said first and second data set ;

15 determining an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances; and

wherein said group control number is the same for said substances in the same group.

2. The method of claim 1 wherein said second data set further contains information whether said substance is a specified compound.

3. The method of claim 1 wherein said second data set further contains a control object code for designating the source of the control.

5 4. The method of claim 1 wherein said process is a chemical reaction.

5. The method of claim 1 further comprising the step of providing a fourth data set containing handling precautions, hazards and legal regulations for said materials.

10 6. The method of claim 1 wherein said data sets are provided by an outsourcing company.

7. A method for management of chemical materials comprising the steps of:

15 providing a first data set containing which substances comprise said materials;

providing a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

providing a third data set containing a ratio of discharge of said controlled substances in a process;

providing a fourth data set containing handling precautions, hazards and legal regulations for said materials;

analyzing a preset amount of said materials in said process and determining a quantity of said controlled substances utilizing said first and second data sets;

determining an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances; and

wherein said group control number is the same for said substances in the same group.

8. The method of claim 7 wherein said second data set further contains information whether said substance is a specified compound.

9. The method of claim 7 wherein said second data set further contains a control object code for designating the source of the control.

10. The method of claim 7 wherein said process is a chemical reaction.

11. The method of claim 7 wherein said data sets are provided by an outsourcing company.

12. A method for management of chemical materials comprising the steps of:

5 providing a first data set containing which substances comprise said materials;

providing a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

10 providing a third data set containing a ratio of discharge of said controlled substances in a process;

analyzing a preset amount of said materials in said process and determining a quantity of said controlled substances utilizing said first and second data sets; and

15 determining an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances.

13. The method of claim 12 wherein said group control number is the same for said substances in the same group.

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14. The method of claim 12 wherein said second data set further contains information whether said substance is a specified compound.

15. The method of claim 12 wherein said second data set further contains a control object code for designating the source of the control.

5 16. The method of claim 12 wherein said process is a chemical reaction.

17. The method of claim 12 further comprising the step of providing a fourth data set containing handling precautions, hazards and legal regulations for said materials.

10 18. The method of claim 12 wherein said data sets are provided by an outsourcing company.

19. A system for management of chemical materials comprising:

a server comprising:

a first data set containing which substances comprise said materials;

15 a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

a third data set containing a ratio of discharge of said controlled

substances in a process;

said server being in communication with a processor, said processor being programmed to:

analyze a preset amount of said materials in said process and  
5 determining a quantity of said controlled substances utilizing said first and second data sets;

determine an emissions quantity of said controlled substances  
utilizing said ratio and said quantity of said controlled substances; and

wherein said group control number is the same for said substances in  
10 the same group.

20. The system of claim 19 wherein said second data set further contains information whether said substance is a specified compound.

21. The system of claim 19 wherein said second data set further contains a control object code for designating the source of the control.

15 22. The system of claim 19 wherein said process is a chemical reaction.

23. The system of claim 19 further comprising a fourth data set

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containing handling precautions, hazards and legal regulations for said materials.

24. The system of claim 19 wherein said data sets are provided by an outsourcing company.

25. A system for management of chemical materials comprising:

a server comprising:

a first data set containing which substances comprise said materials;

a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

a third data set containing a ratio of discharge of said controlled substances in a process;

a fourth data set containing handling precautions, hazards and legal regulations for said materials;

said server being in communication with a processor, said processor being programmed to:

analyze a preset amount of said materials in said process and determining a quantity of said controlled substances utilizing said first and second data sets;

determine an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances; and

wherein said group control number is the same for said substances in the same group.

26. The system of claim 25 wherein said second data set further contains information whether said substance is a specified compound.

27. The system of claim 25 wherein said second data set further contains a control object code for designating the source of the control.

28. The system of claim 25 wherein said process is a chemical reaction.

29. The system of claim 25 wherein said data sets are provided by an outsourcing company.

30. A system for management of chemical materials comprising:

a server comprising:

a first data set containing which substances comprise said materials;

a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;



a third data set containing a ratio of discharge of said controlled substances in a process;

said server being in communication with a processor, said processor being programmed to:

5 analyze a preset amount of said materials in said process and determining a quantity of said controlled substances utilizing said first and second data sets; and

determine an emissions quantity of said controlled substances utilizing said ratio and said quantity of said controlled substances.

10 31. The system of claim 30 wherein said second data set further contains information whether said substance is a specified compound.

32. The system of claim 30 wherein said second data set further contains a control object code for designating the source of the control.

15 33. The system of claim 30 wherein said process is a chemical reaction.

34. The system of claim 30 further comprising a fourth data set containing handling precautions, hazards and legal regulations for said materials.

35. The system of claim 30 wherein said data sets are provided by an outsourcing company.

36. A system for management of chemical materials comprising:

a first data set containing which substances comprise said materials;

5 a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

a third data set containing a ratio of discharge of said controlled substances in a process;

10 said first and second data sets being utilized to analyze a preset amount of said materials in said process and determine a quantity of said controlled substances;

said ratio and said quantity of said controlled substances being utilized to determine an emissions quantity of said controlled substances; and

15 wherein said group control number is the same for said substances in the same group.

37. A system for management of chemical materials comprising:

a first data set containing which substances comprise said materials;

a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

a third data set containing a ratio of discharge of said controlled substances in a process;

5 fourth data set containing handling precautions, hazards and legal regulations for said materials;

said first and second data sets being utilized to analyze a preset amount of said materials in said process and determine a quantity of said controlled substances;

10 said ratio and said quantity of said controlled substances being utilized to determine an emissions quantity of said controlled substances; and

wherein said group control number is the same for said substances in the same group.

38. A system for management of chemical materials comprising:

15 a first data set containing which substances comprise said materials;

a second data set containing which of said substances are to be controlled, said substances being categorized by a group control number;

a third data set containing a ratio of discharge of said controlled substances in a process;

said first and second data sets being utilized to analyze a preset amount of said materials in said process and determine a quantity of said controlled substances; and

said ratio and said quantity of said controlled substances being utilized to determine an emissions quantity of said controlled substances.

39. A method for management of chemical materials comprising the steps of:

providing a first data set containing substances which comprise said materials;

providing a second data set containing legally controlled substances, wherein a substance which is not legally controlled but belongs to one of said legally controlled substances is grouped to one of said legally controlled substances by a group control number;

providing a third data set containing a ratio of discharge of said controlled substances in a process;

analyzing a preset amount of said materials in said process and  
determining a quantity of said controlled substances utilizing said first and  
second data set ;

determining an emissions quantity of said controlled substances  
utilizing said ratio and said quantity of said controlled substances; and

wherein said group control number is the same for said substances in  
the same group.

40. A method for management of chemical materials comprising  
the steps of:

providing a first data set containing which substances comprise said  
materials;

providing a second data set containing which of said substances are  
to be controlled, said substances being categorized by a group control ID;

providing a third data set containing a ratio of discharge of said  
controlled substances in a process;

analyzing a preset amount of said materials in said process and  
determining a quantity of said controlled substances utilizing said first and  
second data set ;

determining an emissions quantity of said controlled substances  
utilizing said ratio and said quantity of said controlled substances; and

wherein said group control ID is the same for said substances in the  
same group.